

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		cylindrical and flange and peripheral and radially and outward and inward and taper and	US-PGPUB; USPAT	OR	OFF	2004/08/17 08:02
S1	0	symmetrical and clinch and pierce and "411"/\$.ccls	US-PGPUB; USPAT	OR	OFF	2004/08/16 11:45
S2	0	symmetrical and (clinch pierce) and "411"/\$.ccls	US-PGPUB; USPAT	OR	OFF	2004/08/09 10:56
S3	0	symmetrical and (clinch pierce) and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/09 10:57
S4	36975	("411").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 10:56
S5	118	symetric\$ and (clinch pierce)	US-PGPUB; USPAT	OR	ON	2004/08/11 09:45
S6	4	("2075675" "1332686" "1872385" "1342225").PN.	USPAT	OR	OFF	2004/08/09 10:58
S7	3	"3809139".URPN.	USPAT	OR	OFF	2004/08/09 10:59
S8	1	("1591183").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 11:24
S9	1	("3187424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 11:25
S10	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/09 11:25
S11	1109	rivet and bush	US-PGPUB; USPAT	OR	ON	2004/08/09 15:00
S12	0	rivet and bush and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/09 15:01
S13	13	rivet and bush and "411"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/08/09 15:05
S14	137	(411/183).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/09 16:42
S15	202	(464/32).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 10:26
S16	258	411/183	US-PGPUB; USPAT	OR	ON	2004/08/09 16:44
S17	85	(464/42).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 10:33
S18	749	((411/179,180,181,182) or (411/185,186)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 10:35
S19	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/10 12:39

S20	9	symmetric and clinch and nut	US-PGPUB; USPAT	OR	OFF	2004/08/10 13:29
S21	2938	(29/505,525,525.01,525.05,525.06, 525.11).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 13:41
S22	26	((29/505,525,525.01,525.05,525. 06,525.11).CCLS.) and "clinch"	US-PGPUB; USPAT	OR	OFF	2004/08/12 12:18
S23	34	hopper and clinch and nut	US-PGPUB; USPAT	OR	ON	2004/08/10 13:51
S24	171	(411/171).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 14:08
S25	0	"20040141825".URPN.	USPAT	OR	OFF	2004/08/10 14:07
S26	0	"20040141825".URPN.	USPAT	OR	OFF	2004/08/10 14:07
S27	0	"20040141825".URPN.	USPAT	OR	OFF	2004/08/10 14:07
S28	0	orientless and clinch	US-PGPUB; USPAT	OR	OFF	2004/08/10 14:09
S29	579	orient\$ and clinch	US-PGPUB; USPAT	OR	OFF	2004/08/10 14:57
S30	15	(470/907).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 14:59
S31	263	(470/167).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 14:59

S32	106	(US-3809139-\$ or US-2075675-\$ or US-1872385-\$ or US-1332686-\$ or US-5020952-\$ or US-1591183-\$ or US-6732431-\$ or US-6543979-\$ or US-6592311-\$ or US-6491487-\$ or US-6406237-\$ or US-6325580-\$ or US-6185870-\$ or US-6161998-\$ or US-6712370-\$ or US-6698081-\$ or US-6318940-\$ or US-6004087-\$ or US-5528812-\$ or US-5489176-\$ or US-5445483-\$ or US-4971499-\$ or US-4739601-\$ or US-4713872-\$ or US-4186787-\$ or US-2985213-\$). did. or (US-2170290-\$ or US-2110039-\$ or US-1872616-\$ or US-1249948-\$ or US-6527489-\$ or US-6499923-\$ or US-6435758-\$ or US-6409444-\$ or US-6257814-\$ or US-6220804-\$ or US-6108893-\$ or US-6081994-\$ or US-5927921-\$ or US-5882159-\$ or US-5782594-\$ or US-5613815-\$ or US-5549430-\$ or US-5531552-\$ or US-5441417-\$ or US-5423645-\$ or US-RE34928-\$ or US-5365654-\$ or US-5335411-\$ or US-5249901-\$ or US-5098765-\$ or US-5092724-\$ or US-4915558-\$). did. or (US-4893976-\$ or US-4831698-\$ or US-4768907-\$ or US-4732518-\$ or US-4724610-\$ or US-4642869-\$ or US-4557650-\$ or US-4557649-\$ or US-4459073-\$ or US-4432681-\$ or US-4430034-\$ or US-4389766-\$ or US-4370794-\$ or US-4124050-\$ or US-4087897-\$ or US-3926236-\$ or US-3920059-\$ or US-3910331-\$ or US-3909927-\$ or US-3894331-\$ or US-3845860-\$ or US-3736969-\$ or US-3727254-\$ or US-3534797-\$ or US-3506050-\$ or US-3469613-\$ or US-3461936-\$). did. or (US-3431960-\$ or US-3405752-\$ or US-3276499-\$ or US-3253631-\$ or US-3213914-\$ or US-3187796-\$ or US-3152628-\$ or US-3133579-\$ or US-3014609-\$ or US-2415695-\$ or US-2176846-\$ or US-RE17907-\$ or US-1759339-\$ or US-1705463-\$ or US-1579875-\$ or US-1332687-\$ or US-0521825-\$ or US-4476599-\$). did. or (US-20040146376-\$ or US-20040086355-\$ or US-20040042871-\$ or US-20040042870-\$ or US-20030063961-\$ or US-20030039530-\$ or US-20010010789-\$ or US-20040078949-\$). did.	US-PGPUB; USPAT	OR	OFF	2004/08/10 15:17
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S33	1	(US-3187424-\$ or US-3187424-\$). did.	USOCR	OR	OFF	2004/08/10 15:12
S34	9	((("4610072") or ("4711021") or ("4810143") or ("4831698") or ("4911592") or ("5251370") or ("5335411") or ("5423645") or ("5439336"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/10 16:14
S35	683238	flanged coupling	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:15
S36	360	'flanged coupling'	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:16
S37	122	flanged and coupling and "411"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:17
S38	181	flanged and coupling and "411"/\$	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:23
S39	8	"1648026".URPN.	USPAT	OR	OFF	2004/08/10 16:22
S40	533	flang\$ and radial and annular and (center midway halfway) and "411"/\$	US-PGPUB; USPAT	OR	OFF	2004/08/10 16:25
S41	1	("3187424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 10:24
S42	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/11 09:45
S43	14806	cable and coupling and flange	US-PGPUB; USPAT	OR	OFF	2004/08/11 10:25
S44	1170	cable and coupling and flange and taper	US-PGPUB; USPAT	OR	OFF	2004/08/11 11:01
S45	126	(411/161,168).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 11:02
S46	6	"2415695".URPN.	USPAT	OR	OFF	2004/08/11 12:30
S47	921	(411/82,82.1,427).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 12:36
S48	0	"20030123950".URPN.	USPAT	OR	OFF	2004/08/11 12:36
S49	0	"20020197132".URPN.	USPAT	OR	OFF	2004/08/11 12:38

S50	106	(US-3809139-\$ or US-2075675-\$ or US-1872385-\$ or US-1332686-\$ or US-5020952-\$ or US-1591183-\$ or US-6732431-\$ or US-6543979-\$ or US-6592311-\$ or US-6491487-\$ or US-6406237-\$ or US-6325580-\$ or US-6185870-\$ or US-6161998-\$ or US-6712370-\$ or US-6698081-\$ or US-6318940-\$ or US-6004087-\$ or US-5528812-\$ or US-5489176-\$ or US-5445483-\$ or US-4971499-\$ or US-4739601-\$ or US-4713872-\$ or US-4186787-\$ or US-2985213-\$). did. or (US-2170290-\$ or US-2110039-\$ or US-1872616-\$ or US-1249948-\$ or US-6527489-\$ or US-6499923-\$ or US-6435758-\$ or US-6409444-\$ or US-6257814-\$ or US-6220804-\$ or US-6108893-\$ or US-6081994-\$ or US-5927921-\$ or US-5882159-\$ or US-5782594-\$ or US-5613815-\$ or US-5549430-\$ or US-5531552-\$ or US-5441417-\$ or US-5423645-\$ or US-RE34928-\$ or US-5365654-\$ or US-5335411-\$ or US-5249901-\$ or US-5098765-\$ or US-5092724-\$ or US-4915558-\$). did. or (US-4893976-\$ or US-4831698-\$ or US-4768907-\$ or US-4732518-\$ or US-4724610-\$ or US-4642869-\$ or US-4557650-\$ or US-4557649-\$ or US-4459073-\$ or US-4432681-\$ or US-4430034-\$ or US-4389766-\$ or US-4370794-\$ or US-4124050-\$ or US-4087897-\$ or US-3926236-\$ or US-3920059-\$ or US-3910331-\$ or US-3909927-\$ or US-3894331-\$ or US-3845860-\$ or US-3736969-\$ or US-3727254-\$ or US-3534797-\$ or US-3506050-\$ or US-3469613-\$ or US-3461936-\$). did. or (US-3431960-\$ or US-3405752-\$ or US-3276499-\$ or US-3253631-\$ or US-3213914-\$ or US-3187796-\$ or US-3152628-\$ or US-3133579-\$ or US-3014609-\$ or US-2176846-\$ or US-RE17907-\$ or US-1759339-\$ or US-1705463-\$ or US-1579875-\$ or US-1332687-\$ or US-0521825-\$ or US-4476599-\$ or US-5404689-\$).did. or (US-20040146376-\$ or US-20040086355-\$ or US-20040042871-\$ or US-20040042870-\$ or US-20030063961-\$ or US-20030039530-\$ or US-20010010789-\$ or US-20040078949-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/08/11 12:49
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S51	2	(US-3187424-\$ or US-3187424-\$ or US-2415695-\$).did.	USOCR	OR	OFF	2004/08/11 12:49
S52	24477	flange\$ and nut and coupling	US-PGPUB; USPAT	OR	OFF	2004/08/11 16:28
S53	3397	flange\$ and nut and coupling and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/11 16:29
S54	33	flange\$ and nut and coupling and symmetric\$ and "411"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/11 16:29
S55	231	pizza and cutting and blade	US-PGPUB; USPAT	OR	OFF	2004/08/12 08:25
S56	34	pizza with cutting with blade	US-PGPUB; USPAT	OR	OFF	2004/08/12 10:58
S57	12	("0116136" "D144225" "D152600" "D330665" "0488289" "0749357" "0986166" "1533305" "4574479" "4625404" "4924575" "4959905").PN.	USPAT	OR	OFF	2004/08/12 08:26
S58	1	"116136".URPN.	USPAT	OR	OFF	2004/08/12 08:27
S59	2	("1363104" "2718853").PN.	USPAT	OR	OFF	2004/08/12 08:29
S60	1	"2718853".URPN.	USPAT	OR	OFF	2004/08/12 08:32
S61	1	"116136".URPN.	USPAT	OR	OFF	2004/08/12 09:00
S62	1	"116136".URPN.	USPAT	OR	OFF	2004/08/12 09:00
S63	0	("15798752968713").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 10:58
S64	2	((("1579875") or ("2968713"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 10:59
S65	8	(411/170).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 11:28
S66	48	(411/172).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 11:47
S67	1	"2279574".URPN.	USPAT	OR	OFF	2004/08/12 11:30
S68	5	"2591631".URPN.	USPAT	OR	OFF	2004/08/12 11:31
S69	985	(411/360,361,366.2,501,509,510).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 12:17
S70	290	(411/147,136).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 12:23
S71	1704	(411/531-547).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 09:59

S72	7	("1404522" "1865284" "2042179" "2156155" "2374550" "2456055" "2911242").PN.	USPAT	OR	OFF	2004/08/12 13:22
S73	1	("3301942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/12 15:30
S74	5671	"29"/\$.ccls and clinch nut and hopper	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:30
S75	572	"29"/\$.ccls and clinch nut and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:32
S76	0	"29"/\$.ccls and "clinch nut" and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:33
S77	0	"29"/\$.ccls and (clinch with nut) and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:33
S78	0	"29"/\$.ccls and (clinch same nut) and hopper and symmetric\$	US-PGPUB; USPAT	OR	OFF	2004/08/12 15:33
S79	1	("1332686").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 08:59
S80	41	WASHER WITH GROOVES WITH FRICTION	US-PGPUB; USPAT	OR	OFF	2004/08/16 10:02
S81	170493	grooved washer	US-PGPUB; USPAT	OR	OFF	2004/08/16 10:02
S82	25	"grooved washer"	US-PGPUB; USPAT	OR	OFF	2004/08/16 10:03
S83	17384	groove\$ and washer and two with side	US-PGPUB; USPAT	OR	ON	2004/08/16 10:04
S84	17384	groove\$ and washer and (two with side)	US-PGPUB; USPAT	OR	ON	2004/08/16 10:05
S85	195	groove\$ and washer and (two?sided)	US-PGPUB; USPAT	OR	ON	2004/08/16 10:05
S86	0	groove\$ and washer and (two?sided)and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:06
S87	0	groove\$ and washer and ('two sided' 'two-sided')and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:06
S88	0	groove\$ and washer and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:07
S89	0	groove and washer and "411"/\$.ccls	US-PGPUB; USPAT	OR	ON	2004/08/16 10:07
S90	1210	groove and washer and "411"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/08/16 10:07
S91	208	groove and washer and "411"/\$.ccls. and (both with side)	US-PGPUB; USPAT	OR	ON	2004/08/16 10:19
S92	521	groove and washer and "411"/\$.ccls. and radial	US-PGPUB; USPAT	OR	ON	2004/08/16 10:20

S93	250	groove and washer and "411"/\$. cccls. and radial and lock	US-PGPUB; USPAT	OR	ON	2004/08/16 10:21
S94	1	("2415695").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 11:53
S95	1	("3187424").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 12:32
S96	664	(castled groove\$ recess\$) and lock and washer and "411"/\$.cccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:00
S97	0	"6010290".URPN.	USPAT	OR	OFF	2004/08/16 12:39
S98	0	"6010290".URPN.	USPAT	OR	OFF	2004/08/16 12:39
S99	19	("0130689" "0152344" "0669840" "0763821" "0788058" "1033759" "1309463" "1311727" "1358690" "1363210" "1480885" "1613493" "1707932" "1966015" "2384908" "2405424" "4572718" "5562378" "5674034").PN.	USPAT	OR	OFF	2004/08/16 12:39
S10 0	19	("0130689" "0152344" "0669840" "0763821" "0788058" "1033759" "1309463" "1311727" "1358690" "1363210" "1480885" "1613493" "1707932" "1966015" "2384908" "2405424" "4572718" "5562378" "5674034").PN.	USPAT	OR	OFF	2004/08/16 12:39
S10 1	2	"1613493".URPN.	USPAT	OR	OFF	2004/08/16 12:40
S10 2	310	(castled groove\$ recess\$) and lock and washer and "411"/\$.cccls. and flange	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:20
S10 3	1	("1579875").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 13:31
S10 4	10	spool with flange with frustoconical	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:35
S10 5	4475	spool with flange	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:39
S10 6	2539	spool with flange and (center midway middle halfway)	US-PGPUB; USPAT	OR	OFF	2004/08/16 13:42
S10 7	1481	washer with grooves	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07

S10 8	31	("2078739" "2587408" "2757054" "2795444" "2983534" "2984528" "2996901" "3050351" "3168321" "3259404" "3316035" "3344689" "3399007" "3588787" "3589143" "3635535" "3674325" "3726178" "4050130" "4371357" "4419086" "4448550" "4637740" "4702657" "4854738" "4934979" "5106342" "5199800" "5286115" "5865678" "6129634").PN.	USPAT	OR	OFF	2004/08/16 13:50
S10 9	18	"2795444".URPN.	USPAT	OR	OFF	2004/08/16 13:53
S11 0	6	("1681731" "3155051" "3407011" "3504879" "3771753" "3776499").PN.	USPAT	OR	OFF	2004/08/16 14:49
S11 1	4	"3187424".URPN.	USPAT	OR	OFF	2004/08/16 15:03
S11 2	307902	reversible clinch nut	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07
S11 3	0	reversible with clinch with nut	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07
S11 4	0	reversible same clinch with nut	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:07
S11 5	1131	cylindrical and flange and peripheral and radially and outward and inward and taper	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:23
S11 6	921	(411/82,82.1,427).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/16 15:25
S11 7	16	("3213914" "3234987" "3253631" "3299500" "3469613" "3506050" "3648747" "3793658" "3810291" "3927465" "4484385" "4637766" "4708556" "5340251" "5531552" "5549430").PN.	USPAT	OR	OFF	2004/08/17 15:52
S11 8	143	(242/342).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 08:26
S11 9	227	spool with center with flange	US-PGPUB; USPAT	OR	OFF	2004/08/17 09:39
S12 0	0	"20020108328".URPN.	USPAT	OR	OFF	2004/08/17 08:30
S12 1	0	"20020108328".URPN.	USPAT	OR	OFF	2004/08/17 08:30

S12 2	941	(242/603,614,578,578.2,388.6). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 10:34
S12 3	0	"1433921".URPN.	USPAT	OR	OFF	2004/08/17 10:19
S12 4	0	"1433921".URPN.	USPAT	OR	OFF	2004/08/17 10:20
S12 5	221656	clinch nut	US-PGPUB; USPAT	OR	OFF	2004/08/17 10:34
S12 6	131173	clinch nut	EPO; JPO; DERWENT	OR	OFF	2004/08/17 10:34
S12 7	211219	clinch nut symmetrical	EPO; JPO; DERWENT	OR	OFF	2004/08/17 10:35
S12 8	1	clinch and nut and symmetrical	EPO; JPO; DERWENT	OR	OFF	2004/08/17 11:23

S13 0	2910	(29/525-525.15).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 13:36
S13 1	1	("1363104").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/17 15:52
S14 5	7	((("2238488") or ("4574473") or ("0359394") or ("5667328") or ("5779412") or ("6374455") or ("4543023"))).PN.	US-PGPUB; USPAT	OR	OFF	2004/11/12 09:46
S14 6	26	("3187796" "3315345" "3338463" "3357388" "3439723" "3469613" "3506050" "3810290" "3829957" "3877133" "3920059" "3969808" "3999659" "4153989" "4208776" "4242793" "4384667" "4394794" "4525912").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/12 10:22
S14 7	25	("4574473").URPN.	USPAT	OR	OFF	2004/11/12 10:25
S14 8	470783	symmetrical (clinch pierce) nut	US-PGPUB; USPAT	OR	OFF	2004/11/15 11:24
S14 9	376	symmetrical and (clinch pierce) and nut	US-PGPUB; USPAT	OR	OFF	2004/11/15 11:24
S15 0	1	("20040042871").PN.	US-PGPUB; USPAT	OR	OFF	2004/12/21 15:45
S15 1	22	(clinch pierce 'self-attaching') and (deform with flange) and "411"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/12/21 15:46